

Use Attainability Analysis

for

WBID 1720 Sandy Creek

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

**Field Data Sheets for Recreational Use Stream Surveys**

**Data Sheet A - Water Body Identification**

Water Body Name (from USGS 7.5' quad): Sandy Creek
8-digit HUC: 07140101
Missouri WBID #: 1720
County: Jefferson
Upstream Legal Description:
Downstream Legal Description:
Upstream Coordinates:
Downstream Coordinates:
Discharger Facility Name(s): Pevely WWTP; Mapa Acres MHP; Dev Serv of Jefferson Cty; Griffith's 1st addition; Hazelwood Court MHP
Discharger Permit Number(s): MO-0040142; MO-0056448; MO-0091065; MO-0092771; MO-0104485
Number of Sites Evaluated: 3
Name of Surveyor and Telephone Number: Mary Clark; 573-526-1002
Organization: Missouri Department of Natural Resources
Position: Environmental Specialist

**I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.**

Signed: Mary Clark Date: 09-21-05

# Sandy Creek #1720 (Jefferson Co.)



# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 1720-01	Site Location Description:	
Site GPS Coordinates: no GPS	Bridge over Sandy Cr. To L. on rd	
Date & Time: 5-21-05	Facility Name: Pevely WWTP; Mapa Acres MHP; Dev Serv of Jefferson City Griffiths 1st addition; Hazelwood Court MHP	
Personnel: Mary Clark	Permit Number: MO-0040142; MO-0056448; MO-0091065; MO-0003771; MO-0104485	
Current Weather Conditions:	Weather Conditions for Past 7 days:	
Photo Ids: Upstream: 100-0031	Downstream: 100-0032	Other:

↳ tree in creek near bridge

### Uses Observed\*:

<input checked="" type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

→ I observed a large group, adults and at least 5 children, swimming + playing + catching aquatic life in Sandy Creek at Sandy Creek Covered Bridge State Historic Site on 7-2-05.

### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: farm	

### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other: trash - car parts in stream.				

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two - WBID #1720: - 0/

### Stream Morphology:

#### Upstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): 25	Length (ft): 30	Avg. Depth (ft): 5"	Max. Depth (ft): 8"
<input checked="" type="checkbox"/> Run	Width (ft): 25	Length (ft): 100	Avg. Depth (ft): 1 1/2'	Max. Depth (ft): 2 1/2'
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft <sup>3</sup> /sec): Riffle - fairly fast below riffle - slower	

#### Downstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): 25'	Length (ft): 20	Avg. Depth (ft): 8"	Max. Depth (ft): 10"
<input checked="" type="checkbox"/> Run	Width (ft): 30'	Length (ft): 100'	Avg. Depth (ft): 2	Max. Depth (ft): 3'
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft <sup>3</sup> /sec): fairly fast	

#### Substrate\*: (These values should add up to 100%.)

15% Cobble	15% Gravel	70% Sand	% Silt	% Mud/Clay	% Bedrock
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#### Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

5% algae close growing; little filamentous near bridge

#### Water Characteristics\*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

\*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. *estimated based on my observations.*

Signed: Walter B. 2 Date: 5-21-05

Organization: W. B. R. Position: ESTI

1720\_001\_US



1720\_001\_DS





## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 1720 - 02	Site Location Description:	
Site GPS Coordinates: no GPS	Bridge over Sards Cr. Henry	
Date & Time: 5-21-05	Facility Name: Pevely WWTP; Mapa Acres MHP; Dev Serv of Jefferson City Griffiths 1st addition; Hollywood Court MHP	
Personnel: Mary Clark	Permit Number: MO-0040142; MO-0056448; MO-0091065; MO-0002771; MO-0104485	
Current Weather Conditions:	Weather Conditions for Past 7 days:	
Photo Ids: Upstream: 100-0033	Downstream: 100-0034	Other:

#### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

#### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway.
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: Rural	

#### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

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Stream Morphology: *sandy banks*

### Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <i>25</i>	Length (ft): <i>100</i>	Avg. Depth (ft): <i>2'</i>	Max. Depth (ft): <i>2-3'</i>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): <i>foot significant flow</i>		

### Downstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): <i>25'</i>	Length (ft): <i>30'</i>	Avg. Depth (ft): <i>8"</i>	Max. Depth (ft): <i>1.5'</i>
<input checked="" type="checkbox"/> Run	Width (ft): <i>25</i>	Length (ft): <i>100</i>	Avg. Depth (ft): <i>1.5</i>	Max. Depth (ft): <i>2.5-30</i>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): <i>fast</i>		

Substrate\*: (These values should add up to 100%.)

<i>15</i> % Cobble	<i>15</i> % Gravel	<i>70</i> % Sand	% Silt	% Mud/Clay	% Bedrock
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*combining sandy run + rock riffle*

Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

<i>algae 40% in riffle - clay growing, less in run (no rock)</i>
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Water Characteristics\*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other: <i>a little turbid</i>
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. *estimated based on my observations.*

Signed: *Tom Hall* Date: *5-21-05*

Organization: *MONR* Position: *ES III*



1720\_002\_US



1720\_002\_DS



## Field Data Sheets for Recreational Use Stream Surveys

### Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 1720 <i>-03</i>	Site Location Description: <i>Lecky - Horine rd.</i>
Site GPS Coordinates: <i>no GPS</i>	<i>Bright green Sand Creek</i>
Date & Time: <i>5-21-05</i>	Facility Name: Pevely WWTP; Mapa Acres MHP; Dev Serv of Jefferson City Griffiths 1st addition; Hazelwood Court MHP
Personnel: Mary Clark	Permit Number: MO-0040142; MO-0056448; MO-0091065; MO-0002771; MO-0104495
Current Weather Conditions: <i>warm 70° partly cloudy</i>	Weather Conditions for Past 7 days: <i>rain on Thurs.</i>
Photo Ids: Upstream: <i>100-0035</i>	Downstream: <i>100-0036</i> Other:

#### Uses Observed\*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

#### Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input type="checkbox"/> City/county parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input checked="" type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

#### Evidence of Human Use\*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

**Site Locations Map(s):** Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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# Field Data Sheets for Recreational Use Stream Surveys

## Data Sheet B - Site Characterization

Page Two – WBID #1720:

### Stream Morphology:

#### Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): 25	Length (ft): 10	Avg. Depth (ft): 1.5	Max. Depth (ft): 3
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): fair - moderate		

#### Downstream View Physical Dimensions:

<input checked="" type="checkbox"/> Riffle	Width (ft): 15	Length (ft): 10	Avg. Depth (ft): 8"	Max. Depth (ft): 12"
<input checked="" type="checkbox"/> Run	Width (ft): 25'	Length (ft): 20	Avg. Depth (ft): 1.5	Max. Depth (ft): 1.5
<input checked="" type="checkbox"/> Pool	Width (ft): 25'	Length (ft): 25	Avg. Depth (ft): 2	Max. Depth (ft): 3'
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated (ft <sup>3</sup> /sec): fast in riffle		

#### Substrate\*: (These values should add up to 100%.)

45% Cobble	10% Gravel	45% Sand	% Silt	1% Mud/Clay	% Bedrock
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#### Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

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#### Water Characteristics\*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other: a little turbid
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

\*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. *estimated based on my observation*

Signed: *[Signature]* Date: *5-21-05*

Organization: *MONR* Position: *ES III*



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1720\_003\_DS

